

ALEXANDER Y. LIN, MD

Assistant Professor
Division of Plastic Surgery,
Saint Louis University School of Medicine

1465 South Grand Boulevard
Director, St. Louis Cleft-Craniofacial Center St. Louis, MO 63104-1095
Cardinal Glennon Children's Medical Center at SLU

Education

7/09 – 6/10 UNIVERSITY OF PITTSBURGH MEDICAL CENTER (UPMC)

Pittsburgh, PA

**Craniofacial and Pediatric Plastic Surgery Fellowship,
Department of Plastic Surgery.**

Children's Hospital of Pittsburgh (CHP) and UPMC hospital system privileges.

6/02 – 6/09 UNIVERSITY OF CALIFORNIA, SAN FRANCISCO (UCSF)

San Francisco, CA

Combined **General Surgery / Plastic & Reconstructive Surgery** Residency.

Chief resident: sole resident organizer of **UCSF Monday Plastic Surgery Lecture Series**

8/98 - 5/02 JOHNS HOPKINS SCHOOL OF MEDICINE

Baltimore, MD

M.D., May 2002 – selected by peers as sole class speaker for official graduation ceremony.

Honors: **Alpha Omega Alpha** – National Honor Medical Society, selected in 2002.

9/91 - 6/96 STANFORD UNIVERSITY

Stanford, CA

M.S. in Statistics and **A.B. in Psychology with Distinction**, June 1996.

Honors: **Psi Chi** – The National Honor Society in Psychology, selected in 1995.

Research

2010 - present SAINT LOUIS UNIVERSITY SCHOOL OF MEDICINE *St. Louis, MO*

Primary Investigator. Current projects include speech analysis of secondary cleft palate revision surgery, long-term outcomes of BMP-2 as a substitute for cleft palate alveolar bone grafting (cases from the previous surgeon at our institution), and setting up a comprehensive relational database to prospectively track our cleft-craniofacial patients growth and results. *My Chief of the Division of Plastic Surgery: Bruce A. Kraemer, MD.*

2005 - 2007 MASSACHUSETTS GENERAL HOSPITAL, HARVARD MEDICAL SCHOOL *Boston, MA*

Research Fellow. Studied the role of cytokines and inflammatory mediators in vascular diseases and pathophysiology using surgical mouse models, tissue analysis, and *in vitro* analogues. *Robert E. Gerszten, MD.*

2004 - 2009 UCSF HOSPITALS – PLASTIC & RECONSTRUCTIVE SURGERY *San Francisco, CA*

Resident Research. Surgical correction of HIV cervical lipodystrophy comparing open resection versus suction-assisted lipectomy, *Stephen J. Mathes, MD*; Intracranial free flaps for skull base defects, *William Y. Hoffman, MD.*

2000 - 2002 JOHNS HOPKINS HOSPITAL – PLASTIC SURGERY *Baltimore, MD*

Research Associate. Measured functional outcomes and risks associated with flap failure in patients with limb salvage reconstructive surgery for bone and soft tissue tumors of the extremities. *E. Gene Deune, MD.*

2000 - 2001 U. OF MARYLAND HOSPITALS – PLASTIC SURGERY *Baltimore, MD*

Research Associate. Determined pattern of craniofacial injuries in motorcycle accidents from 1984 to 2001 at R. Adams Cowley Shock Trauma Hospital. *Paul N. Manson, MD.*

2000 - 2001 U. OF CHICAGO HOSPITALS – PLASTIC SURGERY *Chicago, IL*

Research Associate. Studied outcomes of full-thickness forehead grafts in nasal tip reconstruction in an eight year series of patients. *Gary C. Burget, MD.*

1991 - 2001 THE NEW YORK EYE & EAR INFIRMARY – PATHOLOGY *New York, NY*

Research Associate. Examined and quantified effects of FBS and bFGF effect on *in vitro* culture of human chondrocytes, and effects of TGF- β , α -MSH, ACTH, UV radiation, mitomycin on uveal melanocytes and retinal pigment epithelium. *Dan-Ning Hu, MD.*

1996 - 1998 DANA-FARBER CANCER INSTITUTE – CELL BIOLOGY *Boston, MA*

Biostatistician. Conducted molecular cell biology experiments for discovering new tumor suppressors, including developing a program that analyzed prevalence of palindromic sequences in coding vs. non-coding sequences of human genomic DNA. *Lan-Bo Chen, PhD.*

1993 - 1995 STANFORD UNIVERSITY – PSYCHOLOGY *Stanford, CA*

Research Assistant. Categorized and developed time-perspective as a dispositional attribute affecting human behavior. *Philip G. Zimbardo, PhD.*

Awards & Honors

ASMS RESIDENT SCHOLAR PROGRAM *American Society of Maxillofacial Surgeons*

Scholarship Grant Recipient. Selected for their annual academic scholarship award in 2009.

NATMA SCHOLARSHIP *North American Taiwanese Medical Association*

Scholarship Grant Recipient. Selected for their annual academic scholarship award in 2008.

ALPHA OMEGA ALPHA *Johns Hopkins School of Medicine*

National Honor Medical Society. Awarded in 2002 during medical school.

PSI CHI *Stanford University*

National Honor Society in Psychology. Awarded in 1995 while completing degree in psychology.

Work

2010 – present SAINT LOUIS UNIVERSITY SCHOOL OF MEDICINE

St. Louis, MO

Director, St. Louis Cleft-Craniofacial Center.

Assistant Professor in the Division of Plastic Surgery, Department of Surgery.

At our academic pediatric hospital, Cardinal Glennon Children's Medical Center at SLU, we have three plastic surgeons who operate regularly. My primary responsibilities include cleft and craniofacial surgery as well as the gamut of pediatric plastic surgery, administrative management, clinical guidelines, resident teaching, and research. Recent implementations include obtaining funding and hiring a full time Research Coordinator for the Center, customization of a relational database for our prospective studies, and a first for our cleft-craniofacial center: obtaining funding to send our clinic nurse coordinator to the annual meeting, and securing ACPA Affiliated Team status.

Feb 2010 KOMEDYPLAST *Peru*

Plastic surgeon specializing in craniofacial surgery. This surgical mission is unique in that not only do we repair cleft lip-nose-palate, but also craniosynostoses and other transcranial cases that require us to bring along a pediatric neurosurgeon.

June 2006 FORMOSA FOUNDATION

National Ambassador. Selected for their annual scholarship where we were trained on the history and current issues of Taiwan, then met directly with Senators and Representatives of Congress in Washington DC to discuss the importance of Taiwan for US interests.

1989 - 2001 MAGICAL ENTERTAINMENT *Various*

Magician and Entertainer. Performed magic and also invented and copyrighted “Lin’s Leap” in 1991 which was called the “Best Trick of the Year” by Louis Tannen Inc.

1996 - 1998 THE COMEDY STUDIO *Boston, MA*

Stand-up Comic. Performed regularly at *The Comedy Studio* in Boston and also runner-up in *Home Box Office / US Comedy Arts National Competition* in 1998 (written in *The Boston Globe*).

1994 - 1996 STANFORD UNIVERSITY – COMPUTER SCIENCE *Stanford, CA*

Section Leader. Taught C programming in smaller sections that met each week as part of the larger lecture class.

Publications & Presentations

Lin AY. Facelifts. Presented at *Saint Louis University Plastic Surgery Conference*. October 2011.

Lin AY. Maxillofacial. Presented at *Saint Louis University Department of Surgery Grand Rounds*. August 2011.

Gill R, Kinsella CR, Jr., **Lin AY**, Grunwaldt LJ, Jiang S, Deeney VF, Losee J. Acellular dermal matrix in the treatment and prevention of exposed vertical expandable prosthetic titanium ribs. *Spine (Phila Pa 1976)*. 2011; 36(8):E563-7.

Shen D, Li J, Lepore JJ, Anderson TJ, Sinha S, **Lin AY**, Cheng L, Cohen ED, Roberts JD, Jr., Dedhar S, Parmacek MS, Gerszten RE. Aortic aneurysm generation in mice with targeted deletion of integrin-linked kinase in vascular smooth muscle cells. *Circ Res*. Jul 21 2011.

Lin AY, Kinsella CR Jr, Rottgers SA, Smith DS, Cooper GM, Grunwaldt LJ, Losee JE. Custom Porous Polyethylene Implants for Pediatric Skull Reconstruction. *Journal of Craniofacial Surgery*. Accepted, In Press.

Lin AY. Reducing severity of surgery for children born with cleft lip-nose-palate by utilizing bone morphogenetic protein (BMP)-2. Accepted abstract for *March of Dimes Basil O'Connor Starter Scholar Research Award*. May 2011.

Kinsella CR Jr, Bykowski MR, **Lin AY**, Cray JJ, Durham EL, Smith DM, DeCesare GE, Mooney MP, Cooper GM, Losee JE. BMP-2-Mediated regeneration of large scale cranial defects in the canine: an examination of different carriers. *Plast Reconstr Surg*. 2011 May; 127(5): 1865-73.

Gruber RP, **Lin AY**, Richards TA. Nasal strips for evaluating and classifying valvular nasal obstruction. *Aesthetic Plast Surg*. 2011 Apr 15; 36(8): E563-7.

Kinsella CR Jr, Bykowski MR, **Lin AY**, Cray JJ, Smith DM, Durham EL, DeCesare GE, Mooney MP, Cooper GM, Losee JE. BMP-2-Mediated Regeneration of Large Scale Cranial Defects in the Canine: An Examination of Different Carriers. Abstract selected for oral presentation at *American Cleft Palate-Craniofacial Association – Annual Meeting 2011, Puerto Rico*. April 2011.

Lin AY, Watters DJ, Nykiel MJ. An unbelievable outcome: Could standard in parental evaluation have prevented this tragedy? Presented at the *American Cleft Palate-Craniofacial Association – Annual Meeting 2011, Puerto Rico*. April 2011.

Gill R, Kinsella CR Jr, **Lin AY**, Grunwaldt LJ, Jiang S, Deeney VF, Losee, JE. Acellular dermal matrix in the treatment and prevention of exposed vertical expandable prosthetic titanium ribs. *Spine* 2011;36(8):E563-7.

Gruber RP, **Lin AY**, Richards TA. A predictive test and classification for valvular nasal obstruction using nasal strips. *Plast Reconstr Surg*. 2010 Jul; 126(1): 143-145.

Kinsella CR Jr, Bykowski MR, **Lin AY**, Cray JJ, Lensie EL, Mooney MP, Cooper GM, Losee JE. BMP-2-Mediated Regeneration of Large Scale Cranial Defects in the Canine: an Examination of Different Carriers. *Plast Reconstr Surg*. June 2010;125(6S):132

Lin AY, Richards TA, Gruber RP. Predictive test and classification for valvular nasal obstruction using external nasal dilator strips. Abstract selected for oral presentation for *Plastic Surgery Research Council – 55th Annual Meeting* (San Francisco, CA). May 25, 2010.

Kinsella CR Jr, Bykowski MM, **Lin AY**, Cray JJ, Lensie EL, Mooney MP, Cooper GM, Losee JE. BMP-2-mediated regeneration of large scale cranial defects in the canine: an examination of different carriers. Abstract selected for oral presentation for *Plastic Surgery Research Council – 55th Annual Meeting*. May, 2010.

Kinsella CR Jr, Bykowski MB, **Lin AY**, Smith DM, Cray JJ, Lensie EL, Mooney MP, Cooper GM, Losee JE. Comparison of BMP-based therapies for large calvarial defect healing in the canine model. Presented at *Ohio Valley Society of Plastic Surgeons – 53rd Annual Meeting* (Cleveland, OH). May 14, 2010.

Lin AY, Grunwaldt L, Jiang S, Kinsella CR Jr, Cooper GM, Losee JE. Pediatric large-scale calvarial reconstruction with porous polyethylene alloplastic implants. Abstract selected for poster presentation at *American Cleft Palate-Craniofacial Association – Annual Meeting 2010*. March, 2010.

Lin AY, McGrath MH. Pressure sores in the elderly. In: Rosenthal RE, Katlic MR, Zenilman ME, editors. *Principles and Practice of Geriatric Surgery, 2e*. New York: Springer. [Book chapter accepted, forthcoming book in 2010.]

Kristo F, Hardy GJ, Anderson TJJ, Sinha S, Ahluwalia N, **Lin AY**, Passeri J, Scherrer-Crosbie M, Gerszten RE. Pharmacologic inhibition of BLT1 diminishes early abdominal aneurysm formation. *Atherosclerosis*. Accepted manuscript in 2009. [doi:10.1016/j.atherosclerosis.2009.11.031]

Richards TA, **Lin AY**, Gruber RP. A predictive test and new classification of nasal obstruction using nasal strips. In *Plastic Surgery 2009: The Abstract Supplement, Plastic and Reconstructive Surgery*. October 2009; 124(4S):54.

Lin AY, Chang DS, Hansen SL, Leon P, Hoffman WY. Intracranial free flaps. Lecture given at the *7th Biennial UCSF Plastic Surgery Scientific Program*. June 19, 2009.

***Lin AY**, *King VL, Kristo F, Anderson TJJ, Ahluwalia N, Hardy G, Owens AP, Howatt DA, Shen D, Tager AM, Luster AD, Daugherty A, Gerszten RE. Interferon- γ and the interferon-inducible chemokine CXCL10 protect against aneurysm formation and rupture. *Circulation*. January 27, 2009; 119(3):426-35. [*The first two authors contributed equally to this article.]

Lin AY, Belek KA, Rowin CB, Lin L, Chang DS, Hansen SL, Young DM. Lower Extremity Injuries from Pedestrian-Versus-Automotive Vehicle Trauma: The Plastic Surgery Perspective. Abstract accepted for *American Society of Plastic Surgeons Senior Residents Conference*. January 16, 2009.

Lin AY, Chang DS, Hansen SL, Leon P, Hoffman WY. Free flaps provide effective coverage of complete intracranial skull base defects. Selected for clinical paper oral presentation at the *California Society of Plastic Surgeons / Rocky Mountain Association of Plastic Surgeons – Joint Annual Meeting*. June 8, 2008.

Lin AY, King VL, Ahluwalia N, Kristo F, Owens AP, Howatt DA, Shen D, Anderson TJJ, Tager AM, Luster AD, Daugherty A, Gerszten RE. Interferon- γ and the interferon-inducible chemokine CXCL10 protect against aneurysm formation and rupture. Selected for oral presentation at the *UCSF Department of Surgery 21st Annual Resident Research Symposium*. April 4, 2008.

Ahluwalia N, **Lin AY**, Tager AM, Pruitt IE, Anderson TJ, Kristo F, Shen D, Cruz AR, Aikawa M, Luster AD, Gerszten RE. Inhibition of aortic aneurysm formation in BLT1-deficient mice. *Journal of Immunology*. 2007; 179(1):691-697.

Lin AY, Ahluwalia N, Lin CY, Sinha S, Luster AD, Gerszten RE. Deletion of the T cell chemokine CXCL10 promotes aortic aneurysm formation and rupture. *Circulation*. 2006; 114(18):II-39, Abstract #332.

Ahluwalia N, **Lin AY**, Shen D, Lin CY, Sinha S, Luster AD, Gerszten RE. BLT1 contributes to the frequency and size of abdominal aortic aneurysms in mice. *Circulation*. 2006; 114(18):II-39, Abstract #331.

Lin AY, Ahluwalia N, Lin CY, Sinha S, Luster AD, Gerszten RE. Deletion of the T cell chemokine CXCL10 promotes aortic aneurysm formation and rupture. Selected for oral presentation at the *American Heart Association National Annual Scientific Sessions 2006 Meeting*. November 12, 2006.

Heller EA, Liu E, Tager AM, Yuan Q, **Lin AY**, Ahluwalia N, Jones K, Koehn SL, Lok VM, Aikawa E, Moore KJ, Luster AD, Gerszten RE. Chemokine CXCL10 promotes atherogenesis by modulating the local balance of effector and regulatory T cells. *Circulation*. 2006; 113(19):2301-2312.

Lin AY, Ting V, Mathes SJ. Management of cervical lipodystrophy in HIV+ patients. Selected for poster with oral presentation at the *California Society of Plastic Surgeons – 55th Annual Meeting*. June 4, 2005.

Lin AY, Ting V, Mathes SJ. Outcomes in surgical treatment of HIV dorsocervical lipodystrophy. Selected for oral presentation at the *Northwest Society of Plastic Surgeons – Annual Meeting*. February 15, 2005.

Hu DN, Yang PY, Ku MC, **Lin AY**, Hwang MH. Isolation and cultivation of human articular chondrocytes. *Kaohsiung Journal of Medical Sciences*. 2002; 18(3):113-120.

Lin AY, Hu DN, Tombran-Tink J, Intal AM, McCormick SA. Pigment epithelium-derived factor protects retinal pigment epithelium against hydrogen peroxide damage in vitro. *Investigative Ophthalmology & Visual Science*. 2000; 41(4):S844.

Hu DN, **Lin AY**, McCormick SA. α -Melanocyte stimulating hormone and ACTH do not stimulate growth and melanogenesis of human uveal melanocytes in vitro. *Invest Ophthalmol Vis Sci*. 2000; 41(4):S569.

Hu DN, McCormick SA, **Lin AY**, Lin JY. TGF- β 2 inhibits growth of uveal melanocytes at physiological concentrations. *Experimental Eye Research*. 1998; 67(2):143-150

Hu DN, McCormick SA, Orlow SJ, Rosemlat S, **Lin AY**. Regulation of melanogenesis by human uveal melanocytes *in vitro*. *Exp Eye Res*. 1997; 64(3):397-404.

Hu DN, McCormick SA, Orlow SJ, Rosemlat S, **Lin AY**, Wo K. Melanogenesis by human uveal melanocytes *in vitro*. *Invest Ophthalmol Vis Sci*. 1995; 36(5):931-938.

Hu DN, McCormick SA, **Lin AY**, Orlow SJ, Rosemlat S, Paka K, Babu A, Penchaszadeh VB. Regulation of melanogenesis by human uveal melanocytes *in vitro*. *Invest Ophthalmol Vis Sci*. 1995; 36(4):S553

Lin AY, Hu DN, Orlow SJ, Wo K, McCormick SA. Melanogenesis in cultured human uveal melanocytes. *Invest Ophthalmol Vis Sci*. 1994; 35(4):1927.

Hu DN, **Lin AY**, Wo K, McCormick SA. Factors regulating differentiation of human uveal melanocytes in culture as evaluated by dendrification. *Invest Ophthalmol Vis Sci.* 1994; 35(4):1927.

Muldoon TO, Hu DN, **Lin AY**, Wo K, McCormick SA. Antiproliferative activity of mitomycin on cultured retinal pigment epithelium derived from pre-retinal membranes. *Invest Ophthalmol Vis Sci.* 1994; 35(4):1532.

Lin AY. *Lin's Leap.* Magical Effect, U.S. Copyright TX 3 065-791. 1991.